

ANIONIC FLUOROCHEMICAL SURFACTANT COMPARISON

The information presented in the following table can be found in Material Safety Data Sheets prepared by 3M (see enclosures) and 3M product literature.

**3M FLUORRAD Brand Fluorochemical Surfactants**

<b>Composition/ Property/ Characteristic:</b>	<u><b>FC-95</b></u>	<u><b>FC-129</b></u>	<u><b>FC-143</b></u>
Surfactant	Potassium Perfluoroalkyl Sulfonates	Potassium Perfluoroalkyl Carboxylates	Ammonium Perfluoroalkyl Carboxylates
Surfactant Type	anionic	anionic	anionic
Product Form	powder	liquid <sup>1</sup>	powder
Solubility in water	slight	appreciable	appreciable
Solubility in polar organic solvents <sup>2</sup>	appreciable	appreciable	appreciable
Toxicity (Oral) [LD50 (rat), mg/kg]	251	500-1250	540
Toxicity Classification	moderately toxic	slightly toxic	moderately toxic

<sup>1</sup> product contains approx. 32% water, 14% 2-butoxyethanol, and 4% ethanol

<sup>2</sup> methanol, ethanol, acetone, and/or glycol ethers